

=====

Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=5; day=7; hr=19; min=32; sec=44; ms=104;]

=====

Application No: 10809689 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-04-23 17:58:38.189
Finished: 2008-04-23 17:58:44.403
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 214 ms
Total Warnings: 38
Total Errors: 10
No. of SeqIDs Defined: 162
Actual SeqID Count: 162

Error code	Error Description	SEQID	POS
E 341	'Xaa' position not defined	(22)	(3)
E 341	'Xaa' position not defined	(22)	(10)
E 341	'Xaa' position not defined	(22)	(16)
E 341	'Xaa' position not defined	(24)	(4)
E 341	'Xaa' position not defined	(43)	(103)
E 341	'Xaa' position not defined	(91)	(5)
E 341	'Xaa' position not defined	(91)	(17)
E 341	'Xaa' position not defined	(92)	(39)
E 341	'Xaa' position not defined	(112)	(3)
E 341	'Xaa' position not defined	(112)	(28)
W 213	Artificial or Unknown found in <213>	in SEQ ID (125)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (126)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (127)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (128)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (129)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (130)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (131)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (132)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (133)	
W 213	Artificial or Unknown found in <213>	in SEQ ID (134)	

Input Set:

Output Set:

Started: 2008-04-23 17:58:38.189
Finished: 2008-04-23 17:58:44.403
Elapsed: 0 hr(s) 0 min(s) 6 sec(s) 214 ms
Total Warnings: 38
Total Errors: 10
No. of SeqIDs Defined: 162
Actual SeqID Count: 162

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (135)
W 213	Artificial or Unknown found in <213> in SEQ ID (136)
W 213	Artificial or Unknown found in <213> in SEQ ID (137)
W 213	Artificial or Unknown found in <213> in SEQ ID (138)
W 213	Artificial or Unknown found in <213> in SEQ ID (139)
W 213	Artificial or Unknown found in <213> in SEQ ID (140)
W 213	Artificial or Unknown found in <213> in SEQ ID (141)
W 213	Artificial or Unknown found in <213> in SEQ ID (142)
W 213	Artificial or Unknown found in <213> in SEQ ID (143)
W 213	Artificial or Unknown found in <213> in SEQ ID (144) This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> J.A. Kemp

<120> Methods and compositions for desensitisation

<130> 217246/2004

<140> 10809689

<141> 2004-03-25

<150> US 09/610,134

<151> 2000-07-05

<150> PCT/GB99/00080

<151> 1999-01-11

<150> GB/9800445.0

<151> 1998-01-09

<150> GB/9820474.6

<151> 1998-09-21

<160> 162

<170> PatentIn version 3.0

<210> 1

<211> 17

<212> PRT

<213> Felis catus

<400> 1

Leu Phe Leu Thr Gly Thr Pro Asp Glu Tyr Val Glu Gln Val Ala Gln
1 5 10 15

Tyr

<210> 2

<211> 16

<212> PRT

<213> Felis catus

<400> 2

Glu Gln Val Ala Gln Tyr Lys Ala Leu Pro Val Val Leu Glu Asn Ala
1 5 10 15

<210> 3

<211> 17

<212> PRT

<213> Felis catus

<400> 3

Lys Ala Leu Pro Val Val Leu Glu Asn Ala Arg Ile Leu Lys Asn Cys
1 5 10 15

Val

<210> 4

<211> 70

<212> PRT

<213> Felis catus

<400> 4

Glu Ile Cys Pro Ala Val Lys Asp Arg Val Asp Leu Phe Leu Thr Gly

1 5 10 15

Thr Pro Asp Glu Tyr Val Glu Gln Val Ala Gln Tyr Lys Ala Leu Pro

20 25 30

Val Val Leu Glu Asn Ala Arg Ile Leu Lys Asn Cys Val Asp Ala Lys

35 40 45

Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys Ile

50 55 60

Tyr Thr Ser Pro Leu Cys

65 70

<210> 5

<211> 92

<212> PRT

<213> Felis catus

<400> 5

Val Lys Met Ala Glu Thr Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala

1 5 10 15

Val Ala Asn Gly Asn Glu Leu Leu Leu Lys Leu Ser Leu Thr Lys Val

20 25 30

Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys Ile Gln Asp Cys

35 40 45

Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val Met

50 55 60

Thr Thr Ile Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn

65 70 75 80

Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg

85 90

<210> 6

<211> 17

<212> PRT

<213> Felis catus

<400> 6

Glu Ile Cys Pro Ala Val Lys Arg Asp Val Asp Leu Phe Leu Thr Gly
1 5 10 15

Thr

<210> 7

<211> 17

<212> PRT

<213> Felis catus

<400> 7

Arg Ile Leu Lys Asn Cys Val Asp Ala Lys Met Thr Glu Glu Asp Lys
1 5 10 15

Glu

<210> 8

<211> 16

<212> PRT

<213> Felis catus

<400> 8

Lys Met Thr Glu Glu Asp Lys Glu Asn Ala Leu Ser Leu Leu Asp Lys
1 5 10 15

<210> 9

<211> 16

<212> PRT

<213> Felis catus

<400> 9

Lys Glu Asn Ala Leu Ser Val Leu Asp Lys Ile Tyr Thr Ser Pro Leu
1 5 10 15

<210> 10

<211> 16

<212> PRT

<213> Felis catus

<400> 10

Val Lys Met Ala Glu Thr Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala
1 5 10 15

<210> 11

<211> 17

<212> PRT

<213> Felis catus

<400> 11

Cys Pro Ile Phe Tyr Asp Val Phe Phe Ala Val Ala Asn Gly Asn Glu
1 5 10 15

Leu

<210> 12

<211> 16

<212> PRT

<213> Felis catus

<400> 12

Gly Asn Glu Leu Leu Lys Leu Ser Leu Thr Lys Val Asn Ala Thr
1 5 10 15

<210> 13

<211> 16

<212> PRT

<213> Felis catus

<400> 13

Leu Thr Lys Val Asn Ala Thr Glu Pro Glu Arg Thr Ala Met Lys Lys
1 5 10 15

<210> 14

<211> 16

<212> PRT

<213> Felis catus

<400> 14

Thr Ala Met Lys Lys Ile Gln Asp Cys Tyr Val Glu Asn Gly Leu Ile
1 5 10 15

<210> 15

<211> 16

<212> PRT

<213> Felis catus

<400> 15

Cys Tyr Val Glu Asn Gly Leu Ile Ser Arg Val Leu Asp Gly Leu Val
1 5 10 15

<210> 16

<211> 16

<212> PRT

<213> Felis catus

<400> 16

Ser Arg Val Leu Asp Gly Leu Val Met Thr Thr Ile Ser Ser Ser Lys
1 5 10 15

<210> 17

<211> 16

<212> PRT

<213> Felis catus

<400> 17

Ile Ser Ser Ser Lys Asp Cys Met Gly Glu Ala Val Gln Asn Thr Val
1 5 10 15

<210> 18

<211> 16

<212> PRT

<213> Felis catus

<400> 18

Ala Val Gln Asn Thr Val Glu Asp Leu Lys Leu Asn Thr Leu Gly Arg
1 5 10 15

<210> 19

<211> 320

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 19

Met Lys Ile Val Leu Ala Ile Ala Ser Leu Leu Ala Leu Ser Ala Val
1 5 10 15

Tyr Ala Arg Pro Ser Ser Ile Lys Thr Phe Glu Glu Tyr Lys Lys Ala
20 25 30

Phe Asn Lys Ser Tyr Ala Thr Phe Glu Asp Glu Glu Ala Ala Arg Lys
35 40 45

Asn Phe Leu Glu Ser Val Lys Tyr Val Gln Ser Asn Gln Gly Ala Ile
50 55 60

Asn His Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Phe Leu
65 70 75 80

Met Ser Ala Glu Ala Phe Glu His Leu Lys Thr Gln Phe Asp Leu Asn
85 90 95

Ala Glu Thr Asn Ala Cys Ser Ile Asn Gly Asn Ala Pro Ala Glu Ile
100 105 110

Asp Leu Arg Gln Met Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly
115 120 125

Cys Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala
130 135 140

Tyr Leu Ala Tyr Arg Asn Gln Ser Leu Asp Leu Ala Glu Gln Glu Leu
145 150 155 160

Val Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg
165 170 175

Gly Ile Glu Tyr Ile Gln His Asn Gly Val Val Gln Glu Ser Tyr Tyr
180 185 190

Arg Tyr Val Ala Arg Glu Gln Ser Cys Arg Arg Pro Asn Ala Gln Arg
195 200 205

Phe Gly Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asn Val Asn Lys
210 215 220

Ile Arg Glu Ala Leu Ala Gln Thr His Ser Ala Ile Ala Val Ile Ile
225 230 235 240

Gly Ile Lys Asp Leu Asp Ala Phe Arg His Tyr Asp Gly Arg Thr Ile
245 250 255

Ile Gln Arg Asp Asn Gly Tyr Gln Pro Asn Tyr His Ala Val Asn Ile
260 265 270

Val Gly Tyr Ser Asn Ala Gln Gly Val Asp Tyr Trp Ile Val Arg Asn
275 280 285

Ser Trp Asp Thr Asn Trp Gly Asp Asn Gly Tyr Gly Tyr Phe Ala Ala
290 295 300

Asn Ile Asp Leu Met Met Ile Glu Glu Tyr Pro Tyr Val Val Ile Leu
305 310 315 320

<210> 20

<211> 146

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 20

Met Met Tyr Lys Ile Leu Cys Leu Ser Leu Leu Val Ala Ala Val Ala
1 5 10 15

Arg Asp Gln Val Asp Val Lys Asp Cys Ala Asn His Glu Ile Lys Lys
20 25 30

Val Leu Val Pro Gly Cys His Gly Ser Glu Pro Cys Ile Ile His Arg
35 40 45

Gly Lys Pro Phe Gln Leu Glu Ala Val Phe Glu Ala Asn Gln Asn Thr
50 55 60

Lys Thr Ala Lys Ile Glu Ile Lys Ala Ser Ile Asp Gly Leu Glu Val
65 70 75 80

Asp Val Pro Gly Ile Asp Pro Asn Ala Cys His Tyr Met Lys Cys Pro
85 90 95

Leu Val Lys Gly Gln Gln Tyr Asp Ile Lys Tyr Thr Trp Asn Val Pro
100 105 110

Lys Ile Ala Pro Lys Ser Glu Asn Val Val Val Thr Val Lys Val Met
115 120 125

Gly Asp Asp Gly Val Leu Ala Cys Ala Ile Ala Thr His Ala Lys Ile
130 135 140

Arg Asp
145

<210> 21

<211> 261

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 21

Met Ile Ile Tyr Asn Ile Leu Ile Val Leu Leu Leu Ala Ile Asn Thr
1 5 10 15

Leu Ala Asn Pro Ile Leu Pro Ala Ser Pro Asn Ala Thr Ile Val Gly
20 25 30

Gly Glu Lys Ala Leu Ala Gly Glu Cys Pro Tyr Gln Ile Ser Leu Gln
35 40 45

Ser Ser Ser His Phe Cys Gly Gly Thr Ile Leu Asp Glu Tyr Trp Ile
50 55 60

Leu Thr Ala Ala His Cys Val Ala Gly Gln Thr Ala Ser Lys Leu Ser
65 70 75 80

Ile Arg Tyr Asn Ser Leu Lys His Ser Leu Gly Gly Glu Lys Ile Ser
85 90 95

Val Ala Lys Ile Phe Ala His Glu Lys Tyr Asp Ser Tyr Gln Ile Asp
100 105 110

Asn Asp Ile Ala Leu Ile Lys Leu Lys Ser Pro Met Lys Leu Asn Gln
115 120 125

Lys Asn Ala Lys Ala Val Gly Leu Pro Ala Lys Gly Ser Asp Val Lys

130 135 140

Val Gly Asp Gln Val Arg Val Ser Gly Trp Gly Tyr Leu Glu Glu Gly

145 150 155 160

Ser Tyr Ser Leu Pro Ser Glu Leu Arg Arg Val Asp Ile Ala Val Val

165 170 175

Ser Arg Lys Glu Cys Asn Glu Leu Tyr Ser Lys Ala Asn Ala Glu Val

180 185 190

Thr Asp Asn Met Ile Cys Gly Gly Asp Val Ala Asn Gly Gly Lys Asp

195 200 205

Ser Cys Gln Gly Asp Ser Gly Gly Pro Val Val Asp Val Lys Asn Asn

210 215 220

Gln Val Val Gly Ile Val Ser Trp Gly Tyr Gly Cys Ala Arg Lys Gly

225 230 235 240

Tyr Pro Gly Val Tyr Thr Arg Val Gly Asn Phe Ile Asp Trp Ile Glu

245 250 255

Ser Lys Arg Ser Gln

260

<210> 22

<211> 19

<212> PRT

<213> Dermatophagoides pteronyssinus

<220>

<221> misc_feature

<223> X is an unknown amino acid

<400> 22

Lys Tyr Xaa Asn Pro His Phe Ile Gly Xaa Arg Ser Val Ile Thr Xaa

1 5 10 15

Leu Met Glu

<210> 23

<211> 132

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 23

Met Lys Phe Ile Ile Ala Phe Phe Val Ala Thr Leu Ala Val Met Thr
1 5 10 15

Val Ser Gly Glu Asp Lys Lys His Asp Tyr Gln Asn Glu Phe Asp Phe
20 25 30

Leu Leu Met Glu Arg Ile His Glu Gln Ile Lys Lys Gly Glu Leu Ala
35 40 45

Leu Phe Tyr Leu Gln Glu Gln Ile Asn His Phe Glu Glu Lys Pro Thr
50 55 60

Lys Glu Met Lys Asp Lys Ile Val Ala Glu Met Asp Thr Ile Ile Ala
65 70 75 80

Met Ile Asp Gly Val Arg Gly Val Leu Asp Arg Leu Met Gln Arg Lys
85 90 95

Asp Leu Asp Ile Phe Glu Gln Tyr Asn Leu Glu Met Ala Lys Lys Ser
100 105 110

Gly Asp Ile Leu Glu Arg Asp Leu Lys Lys Glu Glu Ala Arg Val Lys
115 120 125

Lys Ile Glu Val
130

<210> 24

<211> 20

<212> PRT

<213> Dermatophagoides pteronyssinus

<220>

<221> misc_feature

<223> X ia unknown amino acid

<400> 24

Ala Ile Gly Xaa Gln Pro Ala Ala Glu Ala Glu Ala Pro Phe Gln Ile

1 5 10 15

Ser Leu Met Lys
20

<210> 25

<211> 215

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 25

Met Met Lys Leu Leu Ile Ala Ala Ala Ala Phe Val Ala Val Ser
1 5 10 15

Ala Asp Pro Ile His Tyr Asp Lys Ile Thr Glu Glu Ile Asn Lys Ala
20 25 30

Val Asp Glu Ala Val Ala Ala Ile Glu Lys Ser Glu Thr Phe Asp Pro
35 40 45

Met Lys Val Pro Asp His Ser Asp Lys Phe Glu Arg His Ile Gly Ile
50 55 60

Ile Asp Leu Lys Gly Glu Leu Asp Met Arg Asn Ile Gln Val Arg Gly
65 70 75 80

Leu Lys Gln Met Lys Arg Val Gly Asp Ala Asn Val Lys Ser Glu Asp
85 90 95

Gly Val Val Lys Ala His Leu Leu Val Gly Val His Asp Asp Val Val
100 105 110

Ser Met Glu Tyr Asp Leu Ala Tyr Lys Leu Gly Asp Leu His Pro Asn
115 120 125

Thr His Val Ile Ser Asp Ile Gln Asp Phe Val Val Glu Leu Ser Leu
130 135 140

Glu Val Ser Glu Glu Gly Asn Met Thr Leu Thr Ser Phe Glu Val Arg
145 150 155 160

Gln Phe Ala Asn Val Val Asn His Ile Gly Gly Leu Ser Ile Leu Asp
165 170 175

Pro Ile Phe Ala Val Leu Ser Asp Val Leu Thr Ala Ile Phe Gln Asp
180 185 190

Thr Val Arg Ala Glu Met Thr Lys Val Leu Ala Pro Ala Phe Lys Lys
195 200 205

Glu Leu Glu Arg Asn Asn Gln

210

215

<210> 26

<211> 18

<212> PRT

<213> Dermatophagoides pteronyssinus

<400> 26

Ile Val Gly Gly Ser Asn Ala Ser Pro Gly Asp Ala Val Tyr Gln Ile
1 5 10 15

Ala Leu

<210> 27

<211> 319

<212> PRT

<213> Dermatophagoides fariniae

<400> 27

Met Lys Phe Val Leu Ala Ile Ala Ser Leu Leu Val Leu Thr Val Tyr
1 5 10 15

Ala Arg Pro Ala Ser Ile Lys Thr Phe Glu Phe Lys Lys Ala Phe Asn
20 25 30

Lys Asn Tyr Ala Thr Val Glu Glu Glu Val Ala Arg Lys Asn Phe
35 40 45

Leu Glu Ser Leu Lys Tyr Val Glu Ala Asn Lys Gly Ala Ile Asn His
50 55 60

Leu Ser Asp Leu Ser Leu Asp Glu Phe Lys Asn Arg Tyr Leu Met Ser
65 70 75 80

Ala Glu Ala Phe Glu Gln Leu Lys Thr Gln Phe Asp Leu Asn Ala Glu
85 90 95

Thr Ser Ala Cys Arg Ile Asn Ser Val Asn Val Pro Ser Glu Leu Asp
100 105 110

Leu Arg Ser Leu Arg Thr Val Thr Pro Ile Arg Met Gln Gly Gly Cys
115 120 125

Gly Ser Cys Trp Ala Phe Ser Gly Val Ala Ala Thr Glu Ser Ala Tyr

130

135

140

Leu Ala Tyr Arg Asn Thr Ser Leu Asp Leu Ser Glu Gln Glu Leu Val
145 150 155 160

Asp Cys Ala Ser Gln His Gly Cys His Gly Asp Thr Ile Pro Arg Gly
165 170 175

Ile Glu Tyr Ile Gln Gln Asn Gly Val Val Glu Glu Arg Ser Tyr Pro
180 185 190

Tyr Val Ala Arg Glu Gln Arg Cys Arg Arg Pro Asn Ser Gln His Tyr
195 200 205

Gly Ile Ser Asn Tyr Cys Gln Ile Tyr Pro Pro Asp Val Lys Gln Ile
210 215 220

Arg Glu Ala Leu Thr Gln Thr His Thr Ala Ile Ala Val Ile Ile Gly
225 230 235 240

Ile Lys Asp Leu Arg Ala Phe Gl